

# Contents of Volume 191, 1978

No. 1 issued on July 13, 1978

<b>H. Kajihara, T. Akimoto, S. Iijima:</b> On the Chromaffin Cells in Dog Adrenal Medulla; with Special Reference to the Small Granule Chromaffin Cells (SGC Cells)	1
<b>G. Kurz-Isler, H. Wolburg:</b> Extracellular Microtubule-like Structures in the Retina of the Rainbow Trout. Development, Intercellular Connectivity and Reaction to Vincristine	15
<b>P. R. Flood, B. A. Afzelius:</b> The Spermatozoon of <i>Oikopleura dioica</i> Fol (Larvacea, Tunicata)	27
<b>P. Pevet, M. A. Kuyper:</b> The Ultrastructure of Pinealocytes in the Golden Mole ( <i>Amblysomus hottentotus</i> ) with Special Reference to the Granular Vesicles	39
<b>W. A. Ribl:</b> Ultrastructure and Migration of Screening Pigments in the Retina of <i>Pieris rapae</i> L. (Lepidoptera, Pieridae)	57
<b>H. Wolburg, G. Kurz-Isler:</b> Induction of Paracrystalline Arrays by Vincristine in the Synaptic Formations of the Teleost Retina	75
<b>M. Olivereau:</b> Serotonin and MSH Secretion: Effect of Parachlorophenylalanine on the Pituitary Cytology of the Eel	83
<b>M. Olivereau:</b> Effect of Parachlorophenylalanine, a Brain Serotonin Depletor, on the Prolactin Cells of the Eel Pituitary	93
<b>A. E. Frieß, F. Sinowatz, K.-H. Wrobel, R. Scklek-Winnisch:</b> The Uterovaginal Sperm Host Glands of the Quail ( <i>Coturnix coturnix japonica</i> ). An Ultrastructural and Ultra-cytochemical Study	101
<b>D. Szöllösi:</b> Desmosomes: Their Occurrence between Adjacent Primary Oocytes in Polyovular Follicles in the Rabbit	115
<b>D. Schaller:</b> Antennal Sensory System of <i>Periplaneta americana</i> L. Distribution and Frequency of Morphologic Types of Sensilla and Their Sex-Specific Changes during Postembryonic Development	121
<b>M. C. Palazzo, K. R. Brizzee, H. Hofer, W. R. Mehler:</b> Effects of Systemic Administration of 6-Hydroxydopamine on the Circumventricular Organs in Nonhuman Primates. II. Subfornical Organ	141
<b>S. Deleurance, P. Charpin:</b> Ultrastructural Dynamics of the Corpus Allatum of <i>Choleva angustata</i> Fab. (Coleoptera, Catopidae)	151
<b>M. Benjamin, B. I. Baker:</b> Ultrastructural Studies on Prolactin and Growth Hormone Cells in <i>Anguilla</i> Pituitaries in Long Term Cultures	161
<b>J. Jde, M. Eckert, H. Penzlin:</b> The Frontal Ganglion of <i>Periplaneta americana</i> L. (Insecta). An Electron Microscopic and Immunohistochemical Study	171

## Short Communication

<b>S. Post, J. K. Mai:</b> Evidence for Amygdaloid Projections to the Contralateral Hypothalamus and the Ipsilateral Midbrain in the Rat	183
--	-----

No. 2 issued on July 27, 1978

<b>B. Ekengren, J. Peute, G. Fridberg:</b> Gonadotropic Cells in the Atlantic Salmon, <i>Salmo salar</i> . An Experimental Immunocytological, Electron Microscopical Study	187
<b>M.F. El Etreby, M.R. Fath El Bab:</b> Effect of Cyproterone Acetate, d-Norgestrel and Progesterone on Cells of the Pars distalis of the Adenohypophysis in the Beagle Bitch	205
<b>F. Dacheux:</b> Ultrastructural Localization of Gonadotrophic Hormones in the Porcine Pituitary Using the Immunoperoxidase Technique	219
<b>R.D.Burke:</b> The Structure of the Nervous System of the Pluteus Larva of <i>Strongylocentrotus purpuratus</i>	233

<b>P.M. Dubois, M. Begeot, M.P. Dubois, D.C. Herbert:</b> Immunocytochemical Localization of LH, FSH, TSH and Their Subunits in the Pituitary of Normal and Anencephalic Human Fetuses	249
<b>F. Tasso, S. Rua:</b> Ultrastructural Observations on the Hypothalamo-Posthypophyseal Complex of the Brattleboro Rat	267
<b>H. Altner, H. Tichy, I. Altner:</b> Lamellated Outer Dendritic Segments of a Sensory Cell within a Poreless Thermo- and Hygroreceptive Sensillum of the Insect <i>Carausius morosus</i>	287
<b>G.J. Patent, P.O. Kechele, V. Tomicsek Carrano:</b> Nonconventional Innervation of the Pancreatic Islets of the Teleost Fish, <i>Gillichthys mirabilis</i>	305
<b>R.F. Stocker, J.S. Edwards, J.W. Truman:</b> Fine Structure of Degenerating Abdominal Motor Neurons after Eclosion in the Spingid Moth, <i>Manduca sexta</i>	317
<b>K.M. Voss, L. Herberg, H.F. Kern:</b> Fine Structural Studies of the Islets of Langerhans in the Djungarian Hamster ( <i>Phodopus sungorus</i> )	333
<b>L. Goniakowska-Witalińska:</b> Ultrastructural and Morphometric Study of the Lung of the European Salamander, <i>Salamandra salamandra</i> L.	343
<b>S. Karaçali:</b> Crystalloid Structures within Giant Mitochondria of the Prothoracic Glands of <i>Spodoptera littoralis</i> (Bois) (Lepidoptera)	357
<b>Short Communication</b>	
<b>J.S. Chandler, T.J. Bucci:</b> The Ontogenesis of Calcium-Binding Protein in Fetal Rat Kidney	363
 <b>No. 3 issued on August 16, 1978</b>	
<b>H.-S. Lin, T.-Y. Wing:</b> The Influence of Activation, Removal or Denervation of the Pineal on the Fine Structure of the Leydig Cell and Seminal Vesicle Epithelium in Golden Hamsters	367
<b>J. Snyder, W. C. Hymer, W. W. Wilfinger:</b> Culture of Human Pituitary Prolactin and Growth Hormone Cells	379
<b>Y. Takei, K. Tsuneki, H. Kobayashi:</b> Surface Fine Structure of the Subfornical Organ in the Japanese Quail, <i>Coturnix coturnix japonica</i>	389
<b>K. Tsuneki, Y. Takei, H. Kobayashi:</b> Parenchymal Fine Structure of the Subfornical Organ in the Japanese Quail, <i>Coturnix coturnix japonica</i>	405
<b>S. W. Carmichael, D. J. Smith:</b> Direct Connections between Mitochondria and Catecholamine-Storage Vesicles Demonstrated by High Voltage Electron Microscopy in Rat Adrenal Medulla	421
<b>A. Fasolo, V. Mazzi, M. F. Franzoni:</b> A Golgi Study of the Hypothalamus of Actinopterygii. II. The Posterior Hypothalamus	433
<b>S. Knutton, A. R. Limbrick, J. D. Robertson:</b> Structure of Occluding Junctions in Ileal Epithelial Cells of Suckling Rats	449
<b>W. K. Schwerdtfeger, J. Bereiter-Hahn:</b> Transient Occurrence of Chloride Cells in the Abdominal Epidermis of the Guppy, <i>Poecilia reticulata</i> Peters, Adapted to Sea Water	463
<b>O. E. Millhouse:</b> Cytological Observations on the Ventromedial Hypothalamic Nucleus	473
<b>E. Braak, D. Drenckhahn, K. Unsicker, U. Gröschel-Stewart, D. Dahl:</b> Distribution of Myosin and the Glial Fibrillary Acidic Protein (GFA Protein) in Rat Spinal Cord and in the Human Frontal Cortex as Revealed by Immunofluorescence Microscopy	493
<b>A. Livingston:</b> Effects of Hormone-Releasing Stimuli on the Area of the Perivascular Space in the Neural Lobe of the Rat	501

## Contents

- A. Boyde, E. J. Reith, S. J. Jones:** Intercellular Attachments between Calcified Collagenous Tissue Forming Cells in the Rat 507
- P. Röhlich, B. Halász:** Fine Structure of the Palisade Zone of the Rat Median Eminence as Revealed by Freeze-Fracturing 513
- B. E. Brooker:** The Origin, Structure and Occurrence of Corpora amylacea in the Bovine Mammary Gland and in Milk 525
- A. Jasiński, A. Miodoński:** Model of Skin Vascularization in *Rana esculenta* L.: Scanning Electron Microscopy of Microcorrosion Casts 539

## Indexed in Current Contents